HERCIK, F.

Effect of surface active substances on bacteriophage formation [with summary in German]. Chekh. biol. 1 no.2:16[illegible]23 '52.
(MLRA 6:12)

1. Institut obshchey biologii meditsinskogo fakul'teta universiteta im. Masarika, Brno.

(Bacteriophage)

HERCIK, F.; HRADECNA, Z.

Electron microscopy of non-cellular forms of hay infusion [with summary in German]. Cheskh. biol. 1 no.2:172-178 '52. (MLRA 6:12)

1. Institut obshchey biologii meditsinskogo fakul'teta universiteta im. Masarika, Brno.
(Plant cells and tissues) (Electron microscopy)

HERCIK, F.; NOVAK, L.

Erroneous principles of Mendelism. Chekh. biol. 1 no.2:250-260 '52. (MLRA 6:12)
(Mendel's law)

HERCIK, F.

"Mathematics and biology. Chekh.biol. 2 no.4:193-197 Ag '53.
(MLRA 7:4)
(Biomathematics)

HERCIK, Ferdinand

Problem bakteriofaga. (1. vyd.) Praha, Nakl. Ceskoslovenske akademie ved, 1953. 111 p. (Prace Ceskoslovenske akademie ved. Sekce biologicka, sv. 1) (Problem of the bacteriophage. 1st ed. illus., bibl., index)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6 June 1956, Uncl.

HERCIK, F.

Sizes of bacteriophage of Escherichia coli. Chekh.biol. 2 no.4: ~~198-202~~ Ag '53. (MLRA 7:4)

1. Institut obshchey biologii meditsinskogo fakul'teta universiteta im. Masarika, Brno.
(Bacteriophagy) (Escherichia coli)

HERCIK, F.; LIBIKOVA, Ye.

Electron microscopy of a polyvalent bacteriophage. Chekh.biol. 2 no.4: 293-207 Ag '53. (MLRA 7:4)
(Bacteriophagy) (Electron microscope)

HERCIK, F.; BARTUNEK, M.

Heating table for the microscope. Chekh.biol. 2 no.4:246-247 Ag '53.
(MLRA 7:4)

1. Institut obshchey biologii meditsinskogo fakul'teta universiteta im. Masarika, Brno. (Microscope and microscopy)

HERCIK, F.

Soviet radiobiology is our example. Chekh.biol. 2 no.4:[illegible] Ag '53.
(MLRA 7:4)
(Radiotherapy)

HERCIK, F.

Phagolysis in phase microscopy. p. 273
CESKOSLOVENSKA BIOLOGIE. Vol. 3, No. 5, Oct. 1954

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955
UNCL.

HERCIK, F.; HRADECNA, Z.; HANDSCHUHOVA, O.

Electron microscopy of the formations growing out of the cells of bacteria. p. 279
CESKOSLOVENSKA BIOLOGIE. Vol. 3, No. 5, Oct. 1954

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955
Uncl.

HERCIK, F.

Phase microscopy of phagolysis. Chekh. biol. 3 no.5:284-291 Nov 54.

1. Biologicheskiy institut meditsinskogo fakul'teta universiteta v Brno.

(LEUKOCYTES,
phagolysis, phase microscopy)
(MICROSCOPY, PHASE,
of phagolysis)

HERCIK, F.; HRADECNA, Z.; HANDSCHUHOVA, O.

Electron microscopy of outgrowths of bacterial cell. Chekh. biol. 3 no.5:292-297 Nov 54.

1. Biologicheskiy institut meditsinskogo fakul'teta universiteta v Brno i Otdelenie infektsionnykh bolezneiy Oblastnoy detskoy bol'nitsy, Brno.

(MICROSCOPY, ELECTRON,
of bact. cell outbrowths)
(BACTERIA,
outgrowth of bact. cell, electron microscopy)

HERCIK, F., Dr (Brno, Obrancu miru 10). HANDSCHUHOVA, O., Dr;
HEJDECNA, Z., Dr

"Electron microscopy of acellular substance in whooping cough."
Lek listy 9 no.9:197-201 My '54. (MIRAL 3:8)

1. Z biologickeho ustavu lekarske fakulty v Brne, prednosta prof. Dr F.Hercik, a z infekceniho oddeleni Krajske detske nemocnice, prednosta doc. Dr Vlad.Kluska.

(WHOOPING COUGH,
*laryngeal smears, electron microscopy of acellular substance in)
(MICROSCOPY, ELECTRON,
*of laryngeal smears in whooping cough, acellular substance in)

HERCIK, Ferdinand

Importance of isotopes in biosynthesis. Cesk.biol. 4 no.7:385-389 July '55.

(ISOTOPES,
in biosynthesis)
(METABOLISM,
biosynthesis, isotopes in)

HERCIK, Ferdinand

Microstructure of living substance. Cesk. biol. 4 no.9: 519-524 Oct 55.

1. Biofysikalni ustav CSAV, Brno.
(BACTERIOPHAGE, microstructure)

HERCIK, F.

Hercik, F. Report on the 3d Conference on Electronic Microscopy. p. 249.

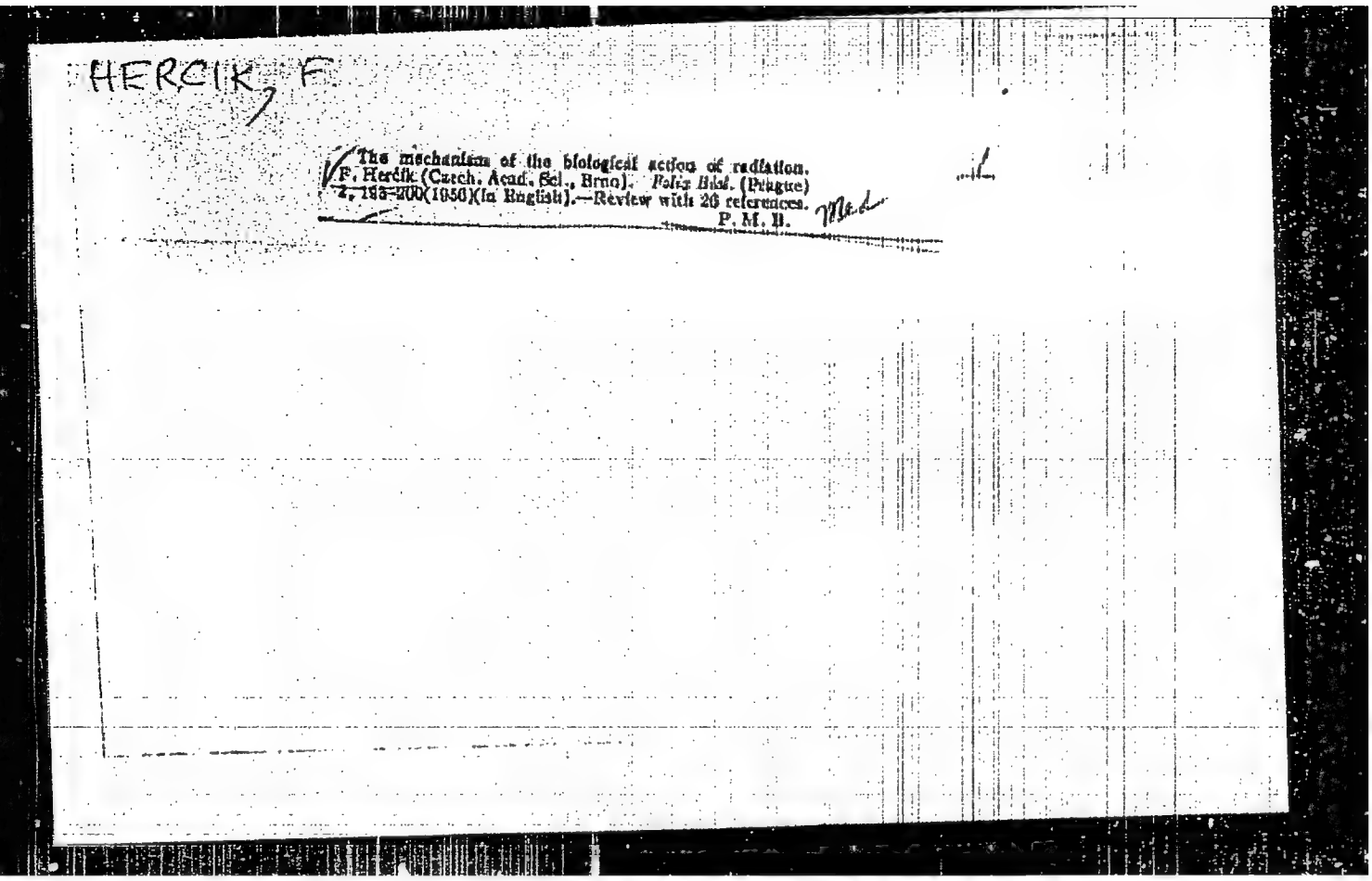
Vol. 10, no. 2, 1955 BIOLOGIA Bratislava, Czechoslovakia

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 2 February, 1956

2046. **Electron microscopy of phage *Escherichia coli* development inside host cell.** F. Heršlik *Biochim. biophys. Acta*, 1955, 18, 1—12 (Biol. Dept., Med. Faculty, Univ. of Brno, Czechoslovakia).—Using a T2 phage with a long latent period, several thousand electron micrographs were made in an attempt to determine all the stages of phage development. A scheme is proposed in which the induced bacterial cell is disintegrated into globules of uniform diameter which then form ringlike structures. In the next stage of phage development, a central protuberance grows and fills the ring. At the same time, 6—8 uniform spherical globules form the tail.

G. D. HUNTER.

Med 1



HERCIK, F.

The mechanism of the biological action of radiation. F. Hercík (Czech. Acad. Sci., Brno). *Folia Biol.* (Prague) 2, 193–200 (1956) (in English).—Review with 26 references. P. M. B.

Med

Hercik, F.

Mechanism of the geological effect of radiation. P. 129
CESKOSLOVENSKA BIOLOGIE. (Ceskoslovenska akademie ved. Biologicky ustav) Praha
Vol. 5, no. 3, May 1956

Source: EEAL - LC Vol. 5. No. 10 Oct. 1956

HERCIK, Ferd, Prof., Dr.

International conference on peaceful use of atomic energy, Geneva, 8-20 August, 1955. Cas. lek. cesk. 95 no.4:105-108 27 Jan 56.

(ATOMIC ENERGY,
internat. conf. on peaceful use)

HERCIK, F.

"Photoreactivation of bacteria irradiated with X rays, In English."

p. 31 (Folia Biologica, Vol. 3, no. 1, 1957, Praha, Czechoslovakia.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No.6 June 1958.

BERCIK, F.

"Photoreactivation of bacteria irradiated by X rays."

p.1 (Ceskoslovenska Biologie, Vol. 5 /i.e.6/ no. 1, Feb. 1957, Praha, Czechoslavakia)

Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 6, August 1958

E

CZECHOSLOVAKIA/Virology, Bacterial Virus (Phages).

Abs Jour : Ref Zhur Biol., No 6, 1959, 23776

Author : Hercik, Ferdinand
Inst :
Title : On Lytic Formations, Induced by Roentgen Rays, in Escherichia Coli.

Orig Pub : Ceskosl. biol., 1958, 7, No 1, 1-9

Abstract : The bacteria, cultivated in MPB, were irradiated with a dose of 32 r and placed for one hour under a temperature of 37°. It was discovered that after such treatment, the bacteria secreted a lytic factor transferred in subinoculations. Checking of strains showed that they are not lysogenic. The lytic factor was liberated under various doses, but a dose of 30 r was optimal. The first subinoculation sometices gave negative results. Under small doses the lysis was observed in the first passages; under large doses, lysis was manifested later. Under

Card 1/2

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- 1 -

SOV/26-59-2-10/53

17(2)
AUTHOR: Hercik, F., Professor (Czechoslovakia)

TITLE: The Phage Propagation (Razmnozheniye faga)

PERIODICAL: Priroda, 1959, Nr 2, pp 49-56 (USSR)

ABSTRACT: The author describes probable ways of the propagation of phages (short for bacteriophages). By itself the phage is a macromolecule of the nucleoproteid which has some properties of a living organism. Chemically, a phage is composed of nucleoproteids with a 40-50% addition of nucleinic acids, mostly the desoxyribonucleinic acids. Thus, in contrast to the bacterium, the phage is of a simpler composition, being basically a nucleoproteid. All the phages are divided into two groups - "virulent" and "moderate" phages. The "virulent"phage absorbs the bacterium and destroys it, and the second can coexist with the bacterial cell without destroying it. Only from such cells is the inactive phage spontaneously producing a "virulent" one, which destroys the cell and penetrates the surrounding habitat. The culture

Card 1/2

HERCIK, F.; PELANKOVA, E.

Effect of cumulative X-irradiation on the development of color variants of Serratia marcescens. In English. p. 176.

FOLIA MICROBIOLOGICA. (Ceskoslovenska akademie ved) Praha, Czechoslovakia. Vol. 4, no. 3, 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 12, December 1959, Uncl.

(

SOV/25-59-5-15/56

AUTHOR: Hercík, F.

TITLE: Protection of Life

PERIODICAL: Nauka i zhizn', 1959, No. 5, pp 21-24 (USSR)

ABSTRACT: Describing radioactivity in general, the author, Director of the Biofizicheskiy institut Chekhoslovatskoy akademii nauk (Biophysical Institute of the AS ČSR), points to the danger of strontium 90, caused by atomic tests. Strontium enters the human body in the form of foodstuffs (especially plants). He deals with methods of determining changes in living organisms due to radioactive influence, such as analysis of urine and detection of leukemia.

Card 1/1

CZ/2-59-5-23/33

AUTHOR: Herčík, Ferdinand, Corresponding Member

TITLE: Symposium on Intermediate and Small Doses of Ionizing Radiation in Venice

PERIODICAL: Věstník československé akademie věd, 1959, No 5, pp 657-658

TEXT: This conference was organized by UNESCO, the International Atomic Agency and the Italian Atomic Commission in June 1959. Altogether 150 scientific workers attended the conference, five of them from Soviet-bloc countries. The conference was very interesting in that it showed the importance of radiation effects in small doses. Much work remains to be done in order to ascertain whether small doses represent a biological hazard for living organisms. It is presumed that small doses really can have a harmful effect where nobody expected it till now.

ASSOCIATION: ČSAV (Czechoslovak Academy of Sciences)

Card 1/1

HERCIK, F.

GERCHIK, F. [Hercik, F.]

Radioactive radiation. Nauka i zhyttia 9 no.5:56-58 My '59.
(MIRA 12:9)

1. Chlen-korrespondent Chekhoslovatskoy akademii nauk.
(Radiation) (Radioactivity)

HERCIK, Ferdinand

Symposium on Immediate and Small Doses of Ionizing Radiation in Venice. Vestnik CSAV 68 no.5:657-658 '59.

1. Clen korespondent Ceskoslovenske akademie ved.

Z/038/60/000/006/001/004
A201/A026

AUTHOR: Herčík, Ferdinand

TITLE: Biological Effects of Radioactive Carbon 19

PERIODICAL: Jaderná energie, 1960, No. 6, pp. 181 - 183

TEXT: Radioactive Carbon C - 14 originating during nuclear weapon tests constitutes a grave danger to the health of the living and coming generations. It was estimated that by the end of 1958, as much as $93.5 \cdot 10^{27}$ atoms of artificial C - 14 could have originated from nuclear tests. This estimate, however, does not consider any losses of neutrons released during the nuclear explosions (Leipunskyy. 1957). Therefore, the actual increase of C - 14 due to nuclear tests is estimated to be somewhere between $12 \cdot 10^{27}$ and $48 \cdot 10^{27}$ atoms, representing an equivalent of about 107,000 curie or 23.4 kg. It can, therefore, be expected that the content of C - 14 in the human body will gradually increase during the coming years and it is estimated that the additional radioactive dose due to C - 14 will reach 8 billion during the next 30 years. This, in turn, will cause a rapid increase of genetic mutations in the coming generations. Estimates to this effect have been made by several western scientists (Crow, Pauling). This mutation effect can,

Card 1/2

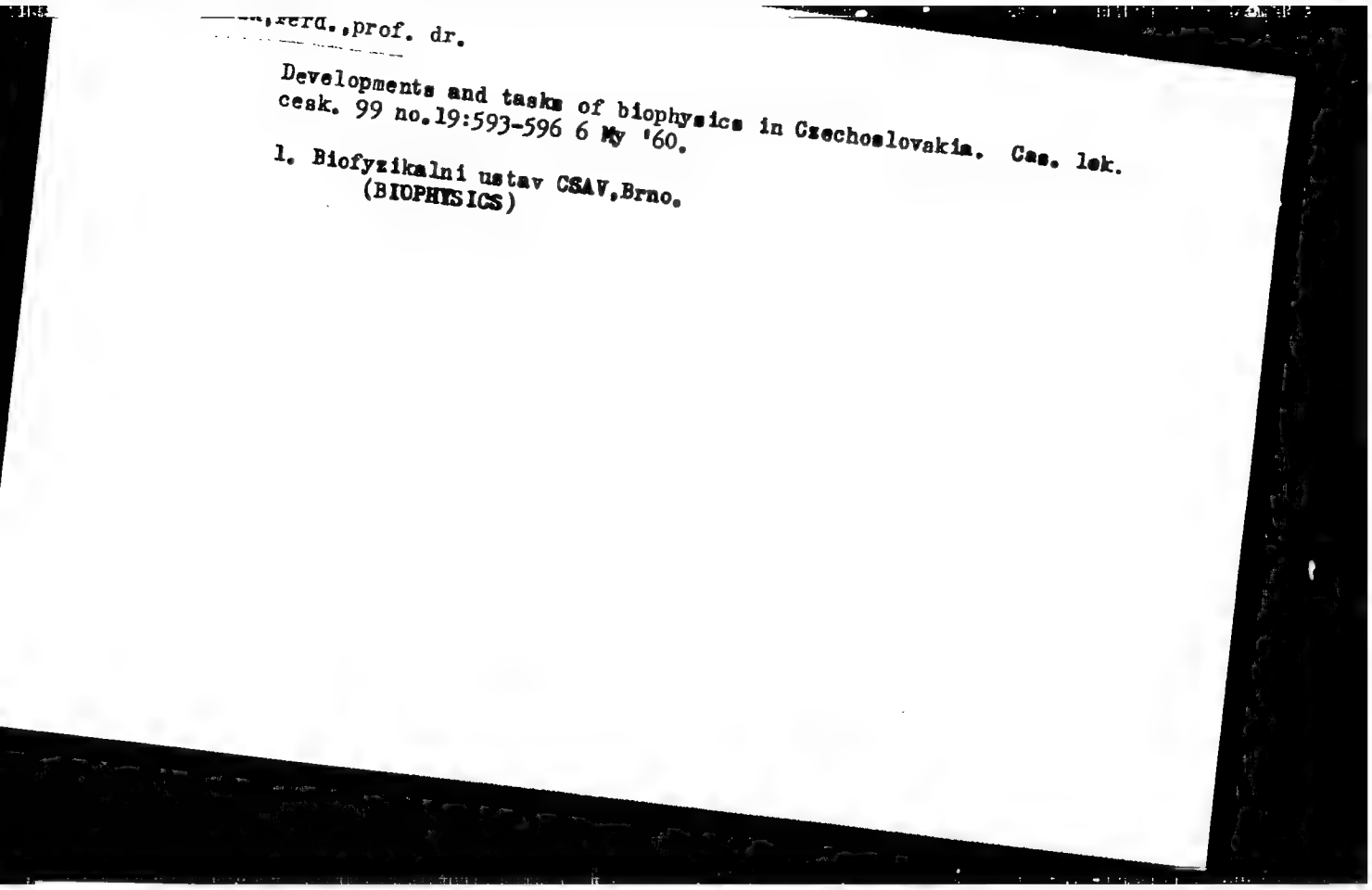
Biological Effects of Radioactive Carbon

Z/038/60/000/006/001/004
A201/A026

according to latest results of scientific research, be intensified by the so-called transmutation effect. When radioactive carbon is incorporated into a biologically important molecule, such as desoxyribonucleic acid, it increases the detrimental mutation effect by decomposing into radioactive nitrogen, thus combining the ionisation effect of C - 14 and the transmutation effect of radioactive nitrogen. There are 8 references: 1 Soviet and 7 English

ASSOCIATION: Biofysikální ústav ČSAV (Biophysical Institute, ČSAV), Brno

Card 2/2



---erd.,prof. dr.

Developments and tasks of biophysics in Czechoslovakia. Cas. lek. cesk. 99 no.19:593-596 6 My '60.

1. Biofyzikalni ustav CSAV,Brno.
(BIOPHYSICS)

HERCIK, Ferdinand, dr.

Molecular biology. Term tud kozl 4 no. 6: 241-243 Je '60.

1. Corresponding member, Czechoslovak Academy of Sciences, Brno.

HERCIK, F.

Effect of cysteine and glycerol on capacity of irradiated cells of Escherichia coli B for phage T3. Folia biol. (Praha) 10 no.4:307-311 '64.

1. Institute of Biophysics, Czechoslovak Academy of Sciences, Brno.

HERCIK, F.; JANOVSKA, Eva

Effect of small doses of X-rays on formation of color variants by Serratia marcescens. Folia microbiol 5 no.5:283-286 '60. (KEAI 10:4)

1. Institute of Biophysics, Czechoslovak Academy of Sciences, Brno.
(Plants) (Color of plants) (X rays)
(Serratia marcescens)

NERMUT, M.V.; HERCIK, F.

Effect of ionizing radiation on large bodies of Proteus vulgaris. Folia microbiol 6 no.5:306-310 '61.

1. Department of Biology, Medical Faculty, Purkyne University, Brno Brno and Institute of Biophysics, Czechoslovak Academy of Sciences, Brno.

(BACTERIA) (IONIZATION)

HERCIK, Ferdinand

International symposium on the primary biological effects of ionizing radiation in Moscow. Vestnik CSAV 70 no.1:167-169 '61.

1. Clen korespondent Ceskoslovenske akademie ved.

HERCIK, Ferdinand

Congress of the Biophysical Society of the German Democractic Republic. Vestnik CSAV 73 no.2:357-358 '64.

1. Corresponding member of the Czechoslovak Academy of Sciences.

HERCIK, Ferdinand

The 1st National Congress on Biophysics. Vestnik CSAV 70 no.5:657-659 '61.

1. Clen korespondent Ceskoslovenske akademie ved.

BEHOUNEK, Frantisek, akademik; HERCIK, Ferdinand

Scientific Committee of U.N.O. for Study of the Effects of Nuclear Radiation. Vestnik CSAV 70 no.5:711-715 '61.

1. Clen korrespondent Ceskoslovenske akademie ved (for Hercik).

HERCIK, Ferdinand

The 1st International Biophysical Congress in Stockholm.
Vestnik CSAV 70 no.5:731-733 '61.

1. Clen korespondent Ceskoslovenske akademie ved.

Z/002/62/000/005/001/001
D005/D102

AUTHOR: Herčík, Ferdinand, Corresponding Member, Czechoslovak AS

TITLE: Biological effects of ionizing radiation on molecular level

PERIODICAL: Československá akademie věd. Věstník, no. 5, 1962, 532-535

TEXT: Under the sponsorship of the International Agency for Atomic Energy in Vienna, a scientific symposium was convened by the Československá adademie věd (Czechoslovak Academy of Sciences) and the Československá atomová komise (Czechoslovak Atomic Commission) on July 2-6 in Brno to deal with the radiation effects on albumins and nucleic acids. Secretary-General of the symposium was Ferdinand Herčík, Professor, Doctor, Director, Biofysikální ústav ČSAV (Biophysical Institute, Czechoslovak AS) in Brno. Welcoming addresses were presented by Ivan Málek, Academician, Vice-Chairman, Czechoslovak AS; Jan Neumann, Engineer, Chairman, Czechoslovak Atomic Commission; and Josef Kalášek, Chairman, Městský národní výbor (Municipal National Committee) in Brno. Papers on the following subjects were presented in six sessions: Drášil, Czechoslovakia, reported on processes in

Card 1/3

Biological effects of ionizing ...

irradiated tumor cells; Belyayeva, USSR, studied the changes in albumins during first post-irradiation phases; Kanazir, Professor, Yugoslavia, and his collaborators dealt with changes of the nucleic-acid structure, synthesized in bacteria after exposure, and, in another paper, with the favorable effects of high-polymerized desoxyribonucleic acid on the metabolic activity of the liver and intestines in rats exposed to a lethal dose; Lazurkin, Doctor, USSR, studied the kinetics of processes leading to formation of free radicals in albumins during exposure; Cherkasova, USSR, dealt with the post-irradiation metabolism of albumins in the central nervous system; Beneš and Soška, CSSR, reported on the effects of some pyrimidine precursors of desoxyribonucleic acids on the resumption of nucleic-acid synthesis after it had been stopped by ionizing radiation; Karpfel, CSSR, reported on increased cell division rate and formation of abnormal chromosomes in irradiated marrow of animals to which intact desoxyribonucleic acid was previously administered; Petrová, Czechoslovakia, dealt with the direct and indirect effects of radiation on Zygnema algae; Skalka, Czechoslovakia, and his collaborators studied radiation effects on the bond between desoxyribonucleic acid and albumin; Hradečná, Doctor, Czechoslovakia, dealt with radiation effects on some functions of lambda-phage; Drobník,

Card 2/3

Z/002/62/000/005/001/001
Biological effects of ionizing ... D005/D102

Doctor, Czechoslovakia, reported on effects of internally administered phosphorus on diploid yeast cells. In a concluding statement the high quality of the presented papers was praised and it was emphasized that Brno had been chosen for this symposium because the scientists of the Biophysical Institute, Czechoslovak AS, have already for a long time been engaged in basic research on biological radiation effects.

ASSOCIATION: Biofysikální ústav ČSAV (Biophysical Institute, Czechoslovak AS), Brno

Card 3/3

JANOVSKA, Eva; HERCIK, F.; VLASINOVA, Miluse; JANIK, B.

Induction of mutations in Serratia marcescens by a proteo-synthesis block. Folia microbiol. 8 no.5:293-300 '63.

1. Institute of Biophysics, Czechoslovak Academy of Sciences, Brno.

(SERRATIA MARCESCENS) (PIGMENTS)
(CHLORAMPHENICOL) (MUTATION)
(RADIATION GENETICS)

HERCIK, F.

Effects of mitomycin and alpha-rays on the capacity of Escherichia coli b for phage T3. Folia biol. 9 no.1:42-50 '63.

1. Institute of Biophysics, Czechoslovak Academy of Sciences, Brno.
(MITOMYCIN) (ESCHERICHIA COLI) (COLIPHAGES)
(RADIATION EFFECTS) (POLONIUM)

HERCIK, Ferdinand

Radiobiological Symposium in Rio de Janeiro. Vestnik CSAV 72 no.2:266-267 '63.

1. Clen korespondent Ceskoslovenske akademie ved.

HERCIK, Ferdinand

International Organization for Pure and Apllied Biophysics.
Vest CSAV 72 no. 4:509-511 '63.

1. Corresponding member of the Czechoslovak Academy of Sciences.

HERCIK, F.

Research report 1960-1962. Folia biol. (Praha) 9 no.6:454-474 '63.

1. Czechoslovak Academy of Sciences, Institute of Biophysics, Brno.

(RADIATION INJURY) (BIOPHYSICS)
(RADIATION EFFECTS) (RESEARCH)

HERCIK, F.

Research report 1960-1962. Folia biol. (Praha) 9 no.6:454-474 '63.

1. Czechoslovak Academy of Sciences, Institute of Biophysics, Brno.

(RADIATION INJURY) (BIOPHYSICS)
(RADIATION EFFECTS) (RESEARCH)

[illegible]

Effect of ultraviolet light on stomatal movement. Biologia plantarum 6 no.1:70-72 '64.

1. Institute of Biophysics, Czechoslovak Academy of Sciences, Brno, Kralovopolska 135.

HERCIK, Ferdinand

Influence of alpha rays on stomatal movements. Biologia plantarum 6 no.4:315-317 '64.

1. Institute of Biophysics of the Czechoslovak Academy of Sciences, Brno. 12, Kralovopolska 135. Submitted June 29, 1964.

HERCIK,F.; HOLZMANNOVA, Alice

Sensitization of the Capacity of Escherichia coli B for phage T3 to X-rays by iodoacetamide. Folia biol. (Praha) 11 no.3: 243-245 '65.

1. Institute of Biophysics, Czechoslovak Academy of Sciences, Brno.

HERCIK, K., CHRUMECKY, Z.

Manufacturing the Skoda 1000 MB engine. Avtomobil' 7z
8 no.12:2-8. D '64.

FROMOWICZ, M.; HERCIK, L.; PROCHAZKA, D.; VICHNAR, M.

A combined epidemic of adenovirus respiratory infections and diarrhea caused by E. coli O111 in a children's nursery. Cesk. pediat. 18 no.9:810-817 S '63.

1. OHES v Karlovych Varech, vedouci prom. lek. M. Fromowicz Kojenecky ustav OUNZ v Karlovych Varech, reditel MUDr. M. Vichnar.

(ESCHERICHIA COLI INFECTIONS)
(DIARRHEA, INFANTILE)
(ADENOVIRUS INFECTIONS)
(RESPIRATORY TRACT INFECTIONS)

HERCIK, Miloslav, inz.

Control of economical heating of coke oven batteries. Hut listy 19 no.5:305-310 My '64.

1. Higher School of Mining, Ostrava.

HERCIK, Miloslav, inz.

Heat balance and analysis of the power economy of a coke oven plant. Hut listy 19 no. 3:153-157 Mr '64.

1. Higher School of Mining, Ostrava.

HERCIK, V.

"Economy in Pneumatic Tires of Aircraft", P. 479, (KRIDLA VLASTI, Vol. 4, No. 20, Sept. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No.1, Jan. 1955, Uncl.

HERCIK, V.

Telecommunication technology; a review of Otakar Klika's Spojovaci technika. I. (Technology of Materials in the Vacuum Technique Vol. 1. Metals and Semimetals); a book review. (Supplement)

P. L75. (SLABOPROUDY OBZOR) (Praha, Czechoslovakia) Vol. 18, no. 11, Nov. 1957

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

HERCK, E.; COSMULESCU, I.; POPESCU, I.

Considerations on the effect of the state of the nervous system on the aspect of lesions in experimental intoxication of the liver. p. 643.
(COMUNICARILE. Rumania. Vol. 5, no. 3, Mar. 1955)

SO: Monthl List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

HERCK, E.; POPESCU, I.; COSMULESCU, I.

Effect of the Vishnevski Novocain block on experimental hepatic toxic lesions. p. 1761. Academia Republicii Populare Romine. COMUNICARILE. Bucuresti. Vol. 5, No. 12, Dec. 1955.

So. East European Accessions List Vol. 5, No. 9 September, 1956

ZAMFIRESCU-GHEORGHIU, M.; KREINDLER, F.; HERCK, E.; MAXIMILIAN, St.; SAFIRESCU, E.; CORNELIU, Miron

Serum peroxidase activity in acute and chronic liver diseases; clinical and experimental studies. Probl. ter., Bucur. 3: 181-212 1956.

(LIVER DISEASES, blood in
peroxidase, in acute & chronic dis.)
(OXIDASES, in blood
peroxidase activity in acute & chronic liver dis.)

ZAMFIRESCU-GHEORGHIU, M.; COSMULESCU, I.; FREINDLER, F.; SAFIRESCU, E.; MAXIMILIAN, St.; F. E. HERCK

The succinic dehydrase and cytochrome oxidase activity of the liver; experimental study. Probl. ter., Bucur. 8:13-20 1957.

(SUCCINIC DEHYDROGENASE, determination
in rabbit liver, eff. of phosphorus & carbon tetrachloride pois.)

(OXIDASES, determination
cytochrome oxidases in rabbit liver, eff. of phosphorus & carbon tetrachloride pois.)

(PHOSPHORUS, effects
on succinic dehydrogenase & cytochrome oxidase activity of rabbit liver)

(CARBON TETRACHLORIDE, poisoning
exper., eff. on succinic dehydrogenase & cytochrome oxidase in rabbit liver)

(LIVER, metabolism
succinic dehydrogenase & cytochrome oxidase activity, in rabbit, eff. of phosphorus & carbon tetrachloride pois.)

HERCOG, Drago, Dr. (Zagreb)

Atomic energy and stomatology. Zobozdrav.vest., Ljubljana 10 no.1-2: 63-65 1955.

(DENTISTRY,
atomic energy, application)
(ATOMIC ENERGY,
in dentistry)

HENCOVA, Frantisek, prumovany geolog; VRBA, Jaroslav, promovany geolog

Third Hydrogeological Conference in Zilina. Vodni hosp 14 no.11: 435-436 '64.

HERCOG, Frantisek

"Hydrochemical method of ore deposit survey" by E.E. Beljakova [Belyakova, E.E.], A.A. Reznikov, L.E. Kramarenko, A.A. Necaeva, T.F. Kronidova. Reviewed by Frantisek Hercog. Vest Ust geol 39 no.4:273-274 '64.

"Handbook of plants, indicators of groundwaters and soil grounds in the southern deserts of the U.S.S.R." by E.A. Vostokova, A.V. Savyrina, S.G. Lariceva. Reviewed by Frantisek Hercog. Ibid.: 274

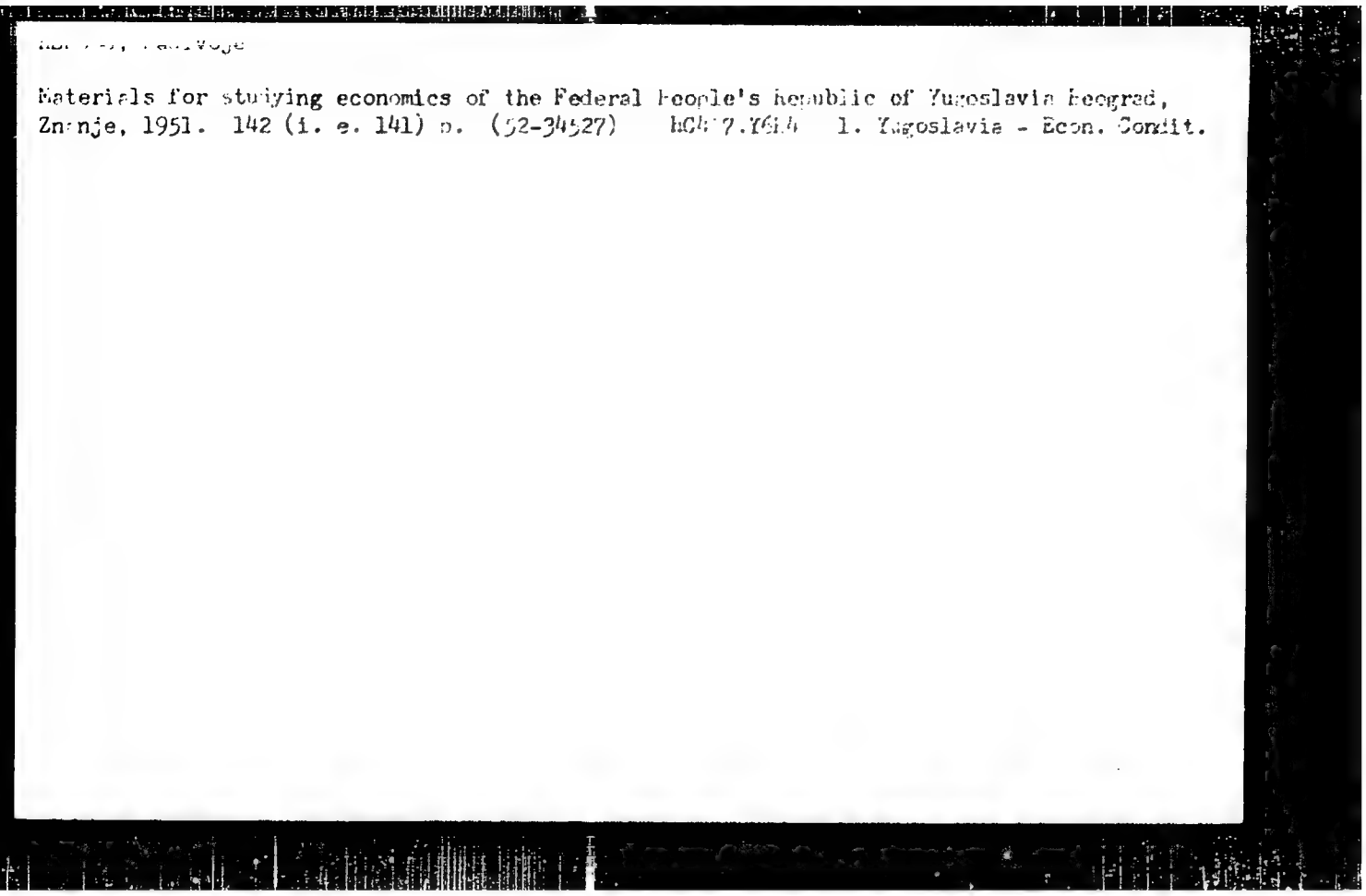
HERCOG, František

Karst water storage in Hungary. Vodn. hosp 14 no.2:79-80 '64.

HERCOG, F., promovany geolog

Methods of evaluating underground water reserves in some member states of the Council of Mutual Economic Assistance. Vod hosp 15 no.1:14 '65.

"Special water storage equipment". Reviewed by F. Hercog. Ibid.:14



Materials for studying economics of the Federal People's Republic of Yugoslavia Beograd, Znanje, 1951. 142 (i. e. 141) p. (52-34527) HC47.Y6A6 1. Yugoslavia - Econ. Condit.

HERZOG, R., dr

River shipping and the market. Medun transp 10 no.3:193-198 Mr '64.

HERCOG, Radivoye, dr.

Some specific characteristics in the marketing of transport services. Medun transp 9 no.12:783-786 D '63

HERCOG, R., dr

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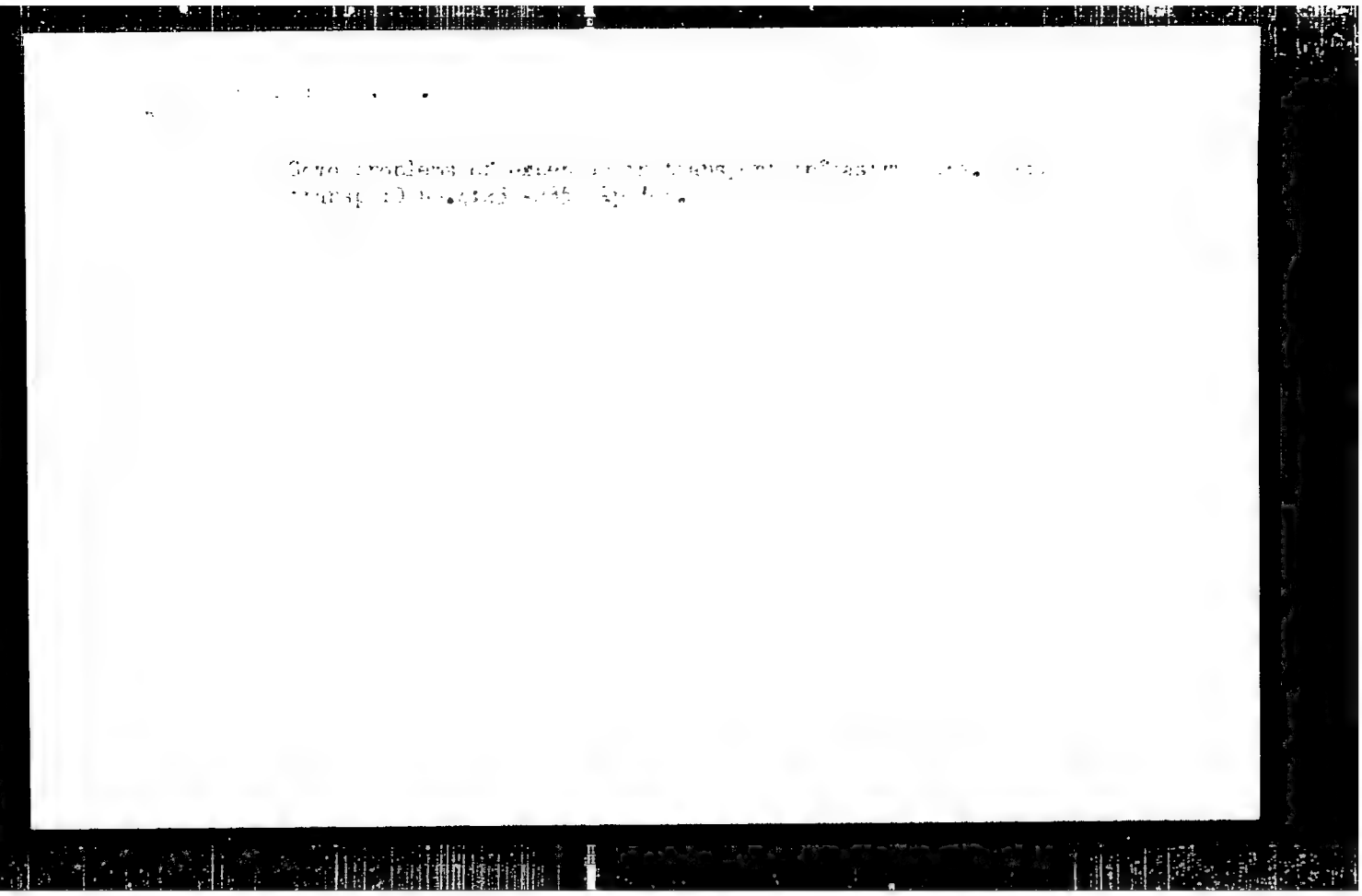

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Uncl.

[illegible], J[illegible]

[illegible], Given Names

Country: [illegible]

Academic Degrees: [illegible]

Affiliation: [illegible] Geological [illegible] (Ustredni [illegible] geologicky),

Source: [illegible], [illegible] geologickeho, Vol [illegible], No [illegible], [illegible],

[illegible]

Data: "Report [illegible] quantitative [illegible] of the [illegible] associations in [illegible] Bohemian Cretaceous [illegible]."

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1. Z chirurg. klin. zakladny Ustavu pro doskolovani lekaru pri obv. nem. v Praze 8-Bulovka; prednosta prof. MUDr Jan Knobloch

(NEOPLASMS, etiol. and pathogen.
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Vol. 2, no. 2, Feb. 1954
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New methods in determining the role of fuel granulometric structure in the process of combustion. p. 250.

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Vol. 7, no. 6, June 1959.

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Uncl.

25592
R/006/61/009/010/001/001
D019/D105

15.2260

AUTHOR: Hercz, G., Engineer

TITLE: Methods of corrosion-proof protection against high temperatures of carbon-steel pipes at the Thermal Power Plant in Aghireş

PERIODICAL: Energetica, v. 9, no. 10, 1961, 413 - 415

TEXT: The article presents three methods used at the Thermal Power Plant in Aghireş for the protection of blast pipes against corrosion. The blast pipes of the Aghireş power plant are made of OLT 35 and OLT 45 steels. When unprotected, these pipes became useless after 300 to 400 hrs of operation. To increase their life, the OLT 35 pipes were coated by spraying them with aluminum. This method, however, gave good results only in pipes installed at the cold end of the boilers. The second method used in Aghireş consisted of spraying aluminum silicate on the metalized tube in three layers, followed by a heat treatment of the coated tubes at 700° - 900°C. This method did not give satisfactory results, for the protective layer peeled off, immediately after the pipes were removed from the annealing furnace. The third method consisted of spraying ethyl-silicate on the

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Methods of corrosion-proof protection .....

metalized blast pipes. The ethyl-silicate layer had a thickness of 0.1 -0.2 mm. Pipes treated with ethyl-silicate showed the best results and operated for 9 months without any defects. The last method ensured protection against temperatures of up to 900°C. Ordinary metalizing, with or without a protective layer of sodium silicate, is a sufficient protection for pipes installed at the cold end of the boilers. There are 2 figures.

Card 2/2

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Trauma and tumor. Prakt. lek., Praha 34 no.22:511-514 20 Nov 54.

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(NEOPLASMS, etiol. and pathogen.
trauma)
(WOUNDS AND INJURIES
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SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
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P. 65. (PRZEGLAD KOLEJOWY ELEKTROTECHICZNY) (Warszawa, Poland) Vol. 9, no. 2, Feb. 1957

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

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"Automatic compensation for inactive power with the help of fixed condensers."

p. 235 (Wiadomosci Elektrotechniczne) Vol. 17, no. 9, Sept. 1957
Warsaw, Poland

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A new automatic emergency power station. p. 180.

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